

U. T. Waterfall
Plants of Oklahoma

2208. *Acalypha ostryaefolia* Riddell
 2118. A flowering scape of *Aletris aurea* Walt. and a complete plant of what I take to be *A. lutea* Small
 1950. *Parietaria pennsylvanica* Muhl.
 2097. *Tragopogon major* Jacq. . . A species of central Europe, occasionally recorded as an escape in various parts of the United States.
 2100. *Rumex pulcher* L. The number of tubercles in this species is variable and not important.
 2248. *Apocynum sibiricum* Jacq.
 2325. " *cannabinum* L. var. *glaberrimum* A. DC.
 2334. " *sibiricum* Jacq. var. *Farwellii* (Greene) Woods n
 1897. *Carex Leavenworthii* Dewey
 1896. " *Engelmannii* Dewey
 1895. " " " probably, but too young
 1894. " *blanda* Dewey
 330 (a) " *louisianica* Bailey
 1822. *Lulienbergia asperifolia* (Nees & Mey.) Perodi
 1172. *Panicum Helleri* Nash
 1870. *Phragmites communis* Trin.
 1850. *Solidago petiolaris* Ait.
 1818. " " "
 2185. *Galium pilosum* Ait. var. *puncticulosum* (Michx.) T. & G.
 2126. Sp-cimen somehow lost; label only found
 2079. Not *Rubus hispidus*, but I do not know what it is.
 2191. I cannot determine *Rubus*, at least from your region, at present.
 2255. *Physalis mollis* Nutt.
 1435. *Galium virgatum* Nutt.
 1434. *Lithospermum angustifolium* Michx.
 1599. *Chrysopsis Berlandieri* Greene
 652. *Heliosais helianthoides* (L.) BSP.
 1784. *Polygonum opelousanum* Riddell
 1791. " *punctatum* Ell.
 1795. *Helianthus subrhomboides* Rydb.
 603. *Cynosciadium pinnatum* DC.
 1147. *Chaerophyllum texanum* C. & R.
 2343. This is what Dr. Gray called *Liatris squarrosa* var. *intermedia* (Lindl.) DC. The genus is at present being studied with a view to revision; I do not know whether the above name will stand or not.
 2218. Seems to be an extreme form of *Brauneria angustifolia* (DC.) Heller
 1629. *Baccharis texana* (T. & G.) A. Gray
 1915. *Sanguisorba annua* Nutt.
 443. *Nama Stevensii* C. L. Hitchcock.

List sent to U.T. Waterfall.

Determinations and changes; specimens sent in Oct., 1941

3097. Two collections of *Cyperus rivularis* from Oklahoma in the Gray Herbarium: Stevens, nos. 906 1/2, and 1802. These were distributed as *C. diandrus*, but have been annotated by Hugh O'Neill as being *C. rivularis*.
3111. *Dalea lanata* Spreng.
3122. Probably is *Petalostemum tenuifolium* Gray, despite the glabrous-tipped bracts of the inflorescence.
3126. We have several Oklahoma specimens; these were cited by Wheeler in Bull. Torr. Bot. Club 63: 434 (1936).
3128. Change to *Tidestromia lanuginosa* (Nutt.) Standl.
3137. *Ratibida Tagetes* (James) Barnhart
3142. *Aster Leucelene* Blake
3143. Change authority: *Desmanthus Cooleyi* (Lat.) Trel. in Branner & Coville.
3151. *Dalea Jamesii* Torr. & Gray. Note that Dalea has been conserved over Eurosela.
3163. *Orobanche multiflora* Nutt., apparently var. *typica*. This is a real find!
3165. *Petalostemum tenuifolium* Gray.
3168. *Solidago radula* Nutt.
3174. *Sphaeralcea angustifolia*, var. *cuspidata* Gray
3179. *Ranunculus Cymbalaria* Pursh, apparently forma *hebecaulis* Sernald
3185. *Artemisia canporum* Rydb. ?
3192. *Potentilla Hippiana* Lehm.
3194. *Thalictrum Fendleri* Engelm., var. *Wrightii* (Gray) Trel.
3197. *Haplopappus integrifolius* Gray
3199. *Eriogonum microthecum* Nutt., var. *effusum* (Nutt.) Torr. & Gray. This is often treated as a species, probably correctly so.
- 3200(a). *Aster tanacetifolius* HBK.
3209. *Gilia aggregata* (Pursh) Spreng., var. *attenuata* Gray
3212. *Artemisia frigida* Willd.
3214. *Berberis repens* Lindl.
3228. *Artemisia canporum* Rydb.
3228. *Calochortus Nuttallii* Torr. & Gray. There were two separate sheets bearing labels with this number.
3232. *Gilia aggregata* (Pursh) Spreng., var. *attenuata* Gray
3234. *Artemisia ludoviciana* Nutt. ?
3235. *Clematis hirsutissima* Pursh
3241. *Gayophytum Nuttallii* Torr. & Gray, var. *intermedia* (Rydb.) Munz
3242. *Aster Porteri* Gray
3247. *Harbouria trachyleura* (Gray) Coult. & Rose
3251. *Drymocallis* sp. Without the flowers, I should prefer not to make a guess.
3260. *Potentilla Hippiana* Lehm.
3261. *Androsace septentrionalis* L., var. *diffusa* (Small) Knuth
3273. *Aster Bigelovii* Gray ?
3276. *Hydrophyllum virginianum* L.
3282. *Symphoricarpos occidentalis* Hook.
3287. *Senecio spartioides* Torr. & Gray
3289. *Thermopsis divaricarpa* A. Nels.
3290. *Chrysopsis fulcrata* Greene ?
3292. *Viguiera annua* (Jones) Blake.
3303. *Galix* sp. Mr. Weatherby suggests *lucida* Muhl., or near it.
3304. *Mumex acetosella* L.
3330. *Astilbeja occidentalis* Torr. ?
3343. *Ledum rhodiolooides* Raf.
3356. *Smilacina*, probably *stellata* (L.) Desf.

3359. *Sagina nivalis* Fries ?
 3362. *Lychnis apetala* L. ?
 3364. *Tritrichium elongatum* (Rydb.) Wight. det. I. M. Johnston
 3365. " " " " " " "
 3368. *Artemisia scopulorum* Gray
 3377. *Achillea lanulosa* Nutt.
 3390. *Penstemon procerus* Dougl. ex Graham
 3397. *Cerastium nutans* Raf.
 3409. *Solidago decumbens* Greene, var. *oreophila* (Rydb.) Fernald
 3413. *Potentilla pectinisecta* Rydb. ?
 3415. *Achillea lanulosa* Nutt.
 3416. *Craba lanceolata* Royle ?
 3420. *Trigeron superbus* Greene ex Rydb.
 3421. *Arnica cordifolia* Hook.
 3431. *Actinea grandiflora* (T. & G.) Ktze.
 3435. *Trifolium dasphyllum* Torr. & Gray
 3439. *Cerastium Beeringianum* Cham. & Schlechtd.
 3440. *Lychnis apetala* L. ?
 3460. *Artemisia frigida* Willd.
 3468. *Potentilla Hippiana* Lehm.
 3472. *Oenothera caespitosa* Nutt., var. *montana* (Nutt.) Durand
 3474. *Aster Porteri* Gray
 3476. *Bahia dissecta* (Gray) Britton.
 3492. *Artemisia gnaphalodes* Nutt.
 3494. *Lysimum heeleri* Rothr. This will probably have another name
 when Trossbach's revision is published.
 3497. *Aster laevis* L.
 3500. *Actinea odorata* (DC.) Ktze.
 3501. *Gutierrezia sarothrae* (Pursh) Britton & Rusby
 3504. *Arenaria Fendleri* Gray
 3506. *Bahia dissecta* (Gray) Britton
 3511. *Vernonia tenuifolia* Small
 3516. *Gerardia fasciculata* Willd.

- 2189 *Apocynum sibiricum* var. *salignum* (Greene) Fernald
 2230 *Eurytaenia texana* Torr. & Gray
 897 *Vicia americana* var. *angustifolia* Nees
 2381 *Amorpha fruticosa* var. *angustifolia* Pursh
 2244 " " " "
 3442 *Pentstemon unilateralis* Rydb.
 3274 " " "
 3288 " " "
 3220 " " "
 3358 *Primula angustifolia* Torr.
 3347 " " "
 3423 *Arabis Drummondii* Gray
 3412 " " "
 2350 *Physalis lanceolata* Michx.
 585 *Erigeron ramosus* (Walt.) BSP.
 641 *Delphinium tricornis* Michx.
 2110 *Lobelia inflata* L.
 3009 *Ludwigia palustris* var. *americana* (DC.) Fern. & Grise.
 1616 *Lespedeza stuevei* Nutt.
 1646 " " "
 1651 " " "
 1578a " " " ?
 1771 " *violacea* (L.) Pers. ?
 739 *Silphium laciniatum* L.
 2042 *Pentstemon palidus* Small
 2160 *Sagittaria arifolia* J. G. Smith
 1568 *Polygonum pennsylvanicum* L. ?
 3354 *Draba*, perhaps *flaccidifolia* Wulf.
 1817 *Lobelia cardinalis* subsp. *graminea* var. *phyllostachya* (Engelm.) McVaugh?
 2824 *Galium pilosum* Ait., intermediate with var. *puncticulatum*
 2137 " " " " "
 1457 " *circaeas* Michx.
 2316 *Sabatia campestris*
 1865 *Eunelia lychnoides* (L.) Fern.